



Sheet Music Stand Helper · Jaclyn Willner · Kerren Willner · Application Number 10/715,224

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Sheet Music Retaining Device

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REFERENCES CITED

U.S. Patent Documents

<i>App. No.</i>	<i>Effective Date</i>	<i>Inventor</i>	<i>Pat. No.</i>
106691	December 26, 1979	Morris	4,300,743
303399	December 10, 1991	Corsile	D322,182
303207	October 10, 1995	Ross, Jr.	5,456,497
463626	June 10, 1997	Ross, Jr.	5,636,868
162520	November 23, 1982	Biasini	4,360,183
		Merrill	255,649
		Wood	290,381
		Swope	818,579
		Bromley	290,381
		Mason	1,947,053
		Mathias	3,809,352
805080	June 9, 1977	Manso	4,150,807
	October 1933	Barcalo	1,928,806
195878	February 14, 1994	Biasini	5,356,109
099224	May 9, 1995	Leeb	5,413,305
303399	December 10, 1991	Corsile	D322,182
303207	October 10, 1995	Ross, Jr.	5,456,497
463626	June 10, 1997	Ross, Jr.	5,636,868
637751	April 15, 1986	Weiss	4,582,344
709333	May 5, 1998	Giebelhausen	5,746,410 A1
563281	October 1, 1957	Lykes	2,807,908

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August 7, 2001

Friedrich

6,270,050,

DESCRIPTION

BACKGROUND OF THE INVENTION

1. Field of the Invention

[001] This invention relates generally to music stands of the type used by musicians to hold sheet music. This invention also relates generally to supports used to hold or steady sheet music against a music stand. More particularly, this invention is a sheet music retaining device that holds music securely to the front of a music stand and which holds additional sheet music and writing implements on the back of the stand, so as to be readily available when needed. The Sheet Music Retaining Device can be placed on and removed from an existing conventional music stand.

2. Inception

[002] Whenever the inventor moved her stand or even bumped into it, all her music would come fluttering off the stand. This caused her to consider how she might keep the music from falling off her stand.

[003] Although this invention will be described with reference to use by musicians, it will be evident that the invention can be used by anyone who wishes to secure papers or books to a music stand, or who wishes to have additional papers or books handy for use.

- [004] Musicians use music stands to display two or three sheets of music while the musicians play various instruments. Music stands usually allow for resting of sheet music on a lip, secured by gravity holding the sheets against the back and lip of the stand. Bumps into the stand or the placement of too many sheets against the stand would cause the music to fall off the stand or otherwise be displaced. Further, additional music which may be needed is not always readily available, having to be stored in a separate bag or carrying case and searched for and removed when needed.
- [005] A structure which secures music in use to the stand and which holds additional music to be readily available when needed would be helpful to the user of the music stand.
- [006] As a result of these design criteria, it would be advantageous if an existing music stand had a portable sleeve, which could be slipped or clipped onto it, which could secure music to it while in use and could hold additional sheets or books for ready availability when needed. The sleeve or device could be removed and easily carried with the user to wherever needed.

3. Description of Prior Art

[007] A search of the United States patent literature disclosed a number of devices for retaining sheet music, of books or the like. Typical of these are the following:

U.S. Pat. No. 255,649, Merrill, shows a music holder where there is a pair of arms mounted to a slotted plate. The arms can be moved along the slot to various positions to hold the sheet music.

U.S. Pat. No. 290,381, Wood, shows a book holder having a pair of spring-like tongue elements mounted to a structure and adapted to hold the cover of the book. There are two other spring arms having pads on the end to hold the pages of the book.

U.S. Pat. No. 818,579, Swope, discloses what is called a "copyholder" disclosing a base plate having a pair of spring-loaded arms mounted thereto. The spring-loaded arms are made integral with coil springs which provide the spring actions, and these arms engage the copy.

U.S. Pat. No. 1,360,718, Bromley, discloses a book rest where there is a pair of arms formed integrally with lower coil springs, so that the arms yieldingly engage the book. These are in turn mounted to a horizontal base board.

U.S. Pat. No. 1,947,053, Mason, discloses a book holder where there are a pair of bracket clips mounted to a rest member of a stand. The clips are mounted by a pair of extension arms which fit against the bottom side of the rest member and are retained in that position by bracket bearings.

U.S. Pat. No. 3,809,352, Mathias, shows a "book holder and shield" which is made of a shield of transparent synthetic resin. There is a rear support panel formed integrally with a transparent holding and viewing panel that is positioned in front of the book being held.

U.S. Pat. No. 4,150,807, Manso, shows a book holding device where there is a main support panel and a pair of wire hooks mounted over the top side of the panel. These hooks engage the top edge of the book pages.

U.S. Pat. No. 4,360,183, Biasini, shows a sheet music retaining device where a transparent retaining arm, attached to a music stand via a mounting flange, applies pressure against the sheet music to the front panel of the stand.

U.S. Pat. No. 1,928,806, Barcalo, shows a book-holding pillow used to support books comfortably while reading. A wedge shaped cushion with a flat front, lip and horizontal securing strap hold the book in place.

U.S. Pat. No. 5,356,109, Biasini, shows a stand extender, capable of folding in on itself and still holding the sheet music it supports. It consists of 3 panel sections and 3 flange sections which rest on the stand and fold in on themselves to function as a sheet music container. There is an attached upwardly open pocket on its front to hold sheet music to the extender and there is an attached downwardly open pocket on its back to hold the stand extender to the stand

U.S. Pat. No. 5,413,305, Leeb, shows a freestanding, lightweight collapsible bookstand, with rigid sides forming a triangular shape when in supporting position and flat when in the collapsed position.

U.S. Pat. No. 4,300,743, Morris, shows an accessory removably mounted on a sheet music support stand to accommodate accessories. It hangs from the flange of the music stand and provides a tray to hold accessories.

U.S. Pat. No. D322,182, Corsile, shows a holder for sheet music and accessories. Corsile claims the ornamental design for a holder for sheet music and music accessories, as shown and described. The design replaces the panel and flange atop the music stand

column or equivalent and consists of a tray with flanges at bottom and sides.

U.S. Pat. No. 5,456,497, Ross, Jr., shows a holder that allows one-handed manipulation of books, notebook, folder, or binder free of accidental dropping or slipping.

U.S. Pat. No. 5,636,868, Ross, Jr., shows a holder that allows one-handed manipulation of books, notebook, folder, or binder free of accidental dropping or slipping.

U.S. Pat. No., 4,582,344 , Weiss, shows a music holder adapted to be placed on a music stand and which is described as consisting of a back and a ledge that holds sheet music or books to the front of a music stand via a hinged front flap that rests against the music and holds the pages open.

DE Patent No. 3108643, Giebelhausen, A1 shows a hand-held book holder utilizing a back and a shelf along with weighted nylon thread hanging through slots to hold the pages of the book open.

U.S. Patent No. 2,807,908 Lykes, shows a reading stand securing a book attached to its front via elastic cords positioned vertically across the front and back covers of the book and horizontally across the face of the book.

U.S. Patent No. 6,270,050, Friedrich, shows a pillow-mounted book holder which rests on a reader's lap and holds the front of a book in a readable position.

[008] Previous music stand accessories provided means of holding various small items, none of which did so in combination with retaining sheet music to the front and the back of the stand.

- [009] Other previous sheet music retaining devices held music to the front of the music stand, but none with the additional ability of storing music and writing implements on the back of the stand.
- [0010] Still other book holder devices held books open, but none was adapted to a music stand as a sleeve.
- [0011] No prior inventions combine the features of a removable device with both transparent and mechanical securing of sheet music to the front of the music stand with additional storage on the back of the stand as well. The lack of these combined features cause inconvenience to the user and adversely affects working efficiency. As described above, this functionality will be greatly appreciated by musicians and others wishing to use music stands to hold and store sheet music and writing implements in a secure and orderly manner.

SUMMARY OF THE INVENTION

[0012] An object of the present invention is to provide a removable device, adapted to a conventional music stand, to securely hold music to the front of the music stand and to hold additional music and writing implements to the back of the stand.

[0013] The present invention is a removable device adapted to be mounted to a conventional music stand to hold sheet music to the front of the vertical panel of the stand and to hold additional sheet music and writing implements to the back of the stand. In the preferred implementation, the device has a downwardly open sleeve portion adapted to fit over the entire vertical panel of the music stand, leaving the support flange of the music stand exposed; the front face of the sleeve lays flat against the front of the vertical panel of the stand and the back of the sleeve lays across the top portion of the music stand supporting column, or equivalent, and attaches to the front of the sleeve at the top, left and right edges of the vertical panel of the stand. In the preferred implementation, the device has an upwardly open pocket attached to the back of the sleeve portion for holding sheet music and writing implements, an upwardly open transparent pocket attached to the front face of the sleeve portion, for holding sheet music which can be viewed through said transparent pocket, and a vertical elastic strap, attached to the front of the sleeve at its top and bottom, to hold sheet music placed under it to the stand. In the preferred implementation, the vertical elastic strap is positioned over a strip of fabric to muffle snapping sound should the vertical strap be snapped.

BRIEF DESCRIPTION OF THE DRAWINGS

[0014] The sheet music retaining device according to the present invention will now be further described with reference to the accompanying drawings, in which:

- FIG. 1 Is a view of component parts of the device (reference numbers 1,2,3,4,5,6,15,16)
- FIG. 2 Is a view of a conventional music stand, to which the device would be adapted (reference numbers 11,12,13,14,)
- FIG. 3 Is a view of the sleeve folded with hem allowance extended (reference numbers 1,7,8,9)
- FIG. 4 Is a view of the sleeve folded with finished hem (reference numbers 1,8,9,10)
- FIG. 5 Is a view of the back pocket being hemmed (reference numbers 2,17,18,19,20)
- FIG. 6 Is a view of the hemmed back pocket (reference numbers 2,20,21,22)
- FIG. 7 Unfolded sleeve and component placement (reference numbers 1,2,3,5,6,8,9, 23,24,25,26,27,28,29,30,31)
- FIG. 8 Is a view of the sleeve folded inside out and having the front and back sides sewn (reference numbers 1,7,31,32,33)
- FIG. 9 Is a view of the finished sleeve front (reference numbers 1,3,5,6,28,33)
- FIG. 10 Is a view of the finished sleeve back (reference numbers 1,2,25,33)
- FIG. 11 Is a view of the sleeve being mounted on a music stand (reference numbers 1,10,11,33)
- FIG. 12 Is the front view of device mounted on a music stand (reference number 1,11,13,14)
- FIG. 13 Is the back view of device mounted on a music stand (reference number 1,2,11)
- FIG. 14 Is a cross sectional view of device mounted on a music stand (reference numbers 1,2,3,5,6,7,12,14,25,28,33)
- FIG. 15 Is a view of the front of device with music secured to itself by elastic (reference numbers 1,35,11,14)
- FIG. 16 Is a view of the front of device with transparent pocket holding sheet music (reference numbers 6,34)
- FIG. 17 Is a view of the back of device with the back pocket holding music and pens (reference numbers 1,2,11,36,37)

DETAILED DESCRIPTION OF THE INVENTION

- [0015] In the preferred implementation, the sleeve consists of FIG. 1 a rectangular piece of canvas fabric 1, the dimensions of which, in its finished state, are adapted to fit FIG. 2 the vertical panel 12 of the music stand 11; i.e. FIG. 1 the length 15 of the rectangular canvas fabric 1 is adapted to two hem allowances longer than double the height of the vertical panel 12 of the music stand 11, and the width 16 of the canvas fabric 1 is adapted to be two seam allowance's wider than the width of the vertical panel 12 of the music stand 11; this canvas fabric 1 is folded in half FIG. 3, with the fold at the top 7 of what will become a sleeve 1;
- [0016] the hem 9 8 allowance on both the front face and the back face are folded outward and FIG. 4 sewn 10 to make a hem 9 8; Fig. 4 shows what will become the inside face of the sleeve;
- [0017] FIG. 1 a transparent sheet 3 of dimensions adapted to the width of the vertical panel 12 of the stand 11 and adapted to a little less than the height of the vertical panel 12 of the stand 11, with small oblique notches 4 on the top left and top right sides of the sheet 3; a segment of elastic 6, the length of which is adapted to two hem's length longer than the height of the vertical panel 12 of the stand 11; a rectangular strip of felt 5 adapted to the height of the vertical panel 12 of the stand 11 and with a width adapted to slightly wider than the elastic 6; a canvas fabric pocket 2, the dimensions of which are adapted to width of the vertical panel 12 of the stand 11 and adapted to somewhat less than the height of the vertical panel 12 of the stand 11;
- [0018] as illustrated in FIG. 5, after cutting oblique slits 17, the ends of which are adapted to define the finished hem of the pocket, at each corner of the pocket 2, each of the edges of the pocket 2 are folded 18 toward the back side of the pocket, tucking in the end of each edge 19 under the hem 20 so as to FIG. 6 be hidden 21 behind the finished hem and sewn 22 to form a hem 20 all the way around top, bottom, and the sides of the pocket 2;

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- [0019] with the hemmed canvas fabric sleeve 1 unfolded FIG. 7, with a view of the sleeve's outside facing 23, the outside facing bottom 24 of the hemmed pocket 2 is lined up with the bottom of what will become the back face 25 of the sleeve 1 and sewn 26 to attach it to the sleeve at the pocket's bottom and the sides, leaving the top of said pocket unattached; with the sleeve 1 unfolded, the transparent sheet 4 is placed with its bottom 27 lined up with what will be the bottom of the front face 28 of the sleeve 1 in its finished state; the fabric damper 5 with the elastic 6 placed on top of it is placed lengthwise bisecting the front face 28 of the sleeve and sewn 29 at the top and bottom of what will become the front face of the sleeve 28; the transparent sheet 3 is sewn 30 to attach it to the front face of the sleeve 28 on its right side, its left side, and its bottom, leaving the top of the so-formed pocket open;
- [0020] the sleeve 1 is then folded in half at the halfway point 31 of its length, with the transparent sheet, damper, elastic, and pocket inside the sleeve FIG. 8; the front face of the sleeve 1 is sewn 32 to the back face of the sleeve at the left and right sides of the sleeve, with the fold 7 at the top of the sleeve and an aperture 33 at the bottom of the sleeve;
- [0021] the entire sleeve is folded outside-in FIG. 9 to reveal the transparent sheet 3, the fabric damper 5, the elastic strap 6 on the front face 28 of the sleeve 1, with an aperture 33 at the bottom of the device 1 and FIG. 10 the pocket 2 on the back face 25 of the sleeve 1, with the aperture 33 at the bottom of the sleeve 1.
- [0022] FIG. 11 The device is positioned, aperture 33 facing down, over the vertical panel of the music stand 11, with the front face of the sleeve aligned with the front of the flat panel 12 of the music stand 11, and pulled down over the vertical panel 12 of the music stand 11 to encase said stand FIGS. 12, 13 as illustrated, accommodating the vertical panel 10 of the music stand 11 and its support 14. In this preferred embodiment, the flange 13 of the music stand 11 is not encased by the sleeve 1;
- [0023] FIG. 14 illustrates a sectional view of the device mounted to the vertical panel 12 of the music stand 11, with the fabric pocket 2 on the back face 25 of device,

and the transparent pocket 3, damper 5, and elastic strap 6 on the front side of the device 28;

[0024] FIGs. 15,16, and 17 illustrate the device in use:

[0025] FIG. 15 illustrates the device securing music 34 via the elastic strap 6. In this illustration, the hinge of sheet music has been slid under the elastic strap to secure the music to the stand;

[0026] FIG. 16 illustrates the device holding music 35 via the transparent pocket 3. In this illustration, sheet music has been slid into the transparent pocket to secure, in a viewable manner, two pages of sheet music to the stand;

[0027] FIG. 17 illustrates the device holding sheet music 36 and clip-on pens 37 via the back pocket 2. In this illustration, the sheet music has been inserted into the back pocket's aperture and the pens clipped onto the back pocket's face.